

Exercise 3 : Stored Procedures

Scenario 2: The bank wants to implement a bonus scheme for employees based on their performance.

Question: Write a stored procedure UpdateEmployeeBonus that updates the salary of employees in a given department by adding a bonus percentage passed as a parameter.

Query & Output:

```
SQL> CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus (  
  2     p_DepartmentID IN NUMBER,  
  3     p_BonusPercent IN NUMBER  
  4 ) AS  
  5 BEGIN  
  6     UPDATE employees  
  7     SET Salary = Salary + (Salary * p_BonusPercent / 100)  
  8     WHERE DepartmentID = p_DepartmentID;  
  9  
 10     COMMIT;  
 11 END;  
 12 /  
  
Procedure created.  
  
SQL> begin  
  2 UpdateEmployeeBonus(101,10);  
  3 end;  
  4 /  
  
PL/SQL procedure successfully completed.  
  
SQL> SELECT EmpID, Name, DepartmentID, Salary  
  2 FROM employees  
  3 WHERE DepartmentID = 101;
```

EMPID	NAME	DEPARTMENTID	SALARY
1	Alice	101	55000
3	Charlie	101	60500